

Flu Watch

MMWR Week 32: August 4 to August 10, 2019

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **no activity** this week.

Influenza Activity



Overall, there was a decrease in influenza activity this week.

Regional Influenza Activity



Decreased



No change



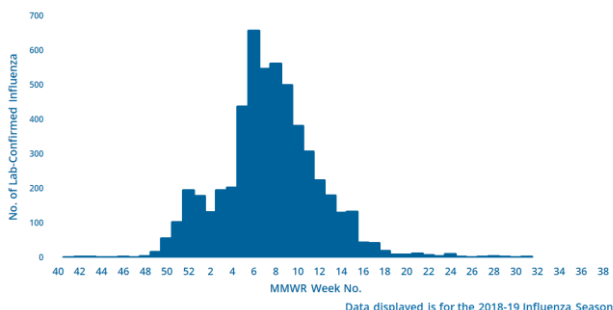
Decreased



No change

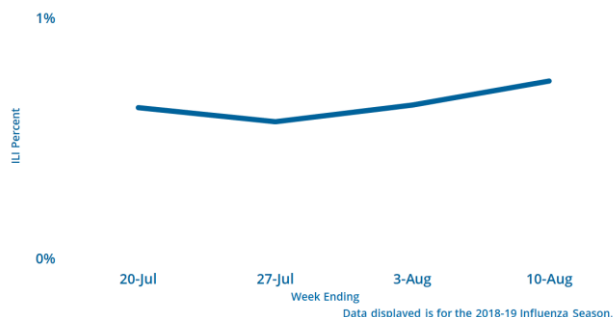
Virologic Surveillance

This week **0** lab-confirmed tests were reported. In the current flu season, there have been **4736** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **0.74%**, which is **below** South Carolina's baseline (**3.53%**). The ILI activity level overall was minimal.



Influenza-Associated Hospitalizations

This week **2** influenza-associated hospitalizations were reported by **28** hospitals. The cumulative hospitalization rate is **54.7 per 100,000**. In the current flu season, there have been **2751** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **2.0 per 100,000**. In the current flu season, there have been **99** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

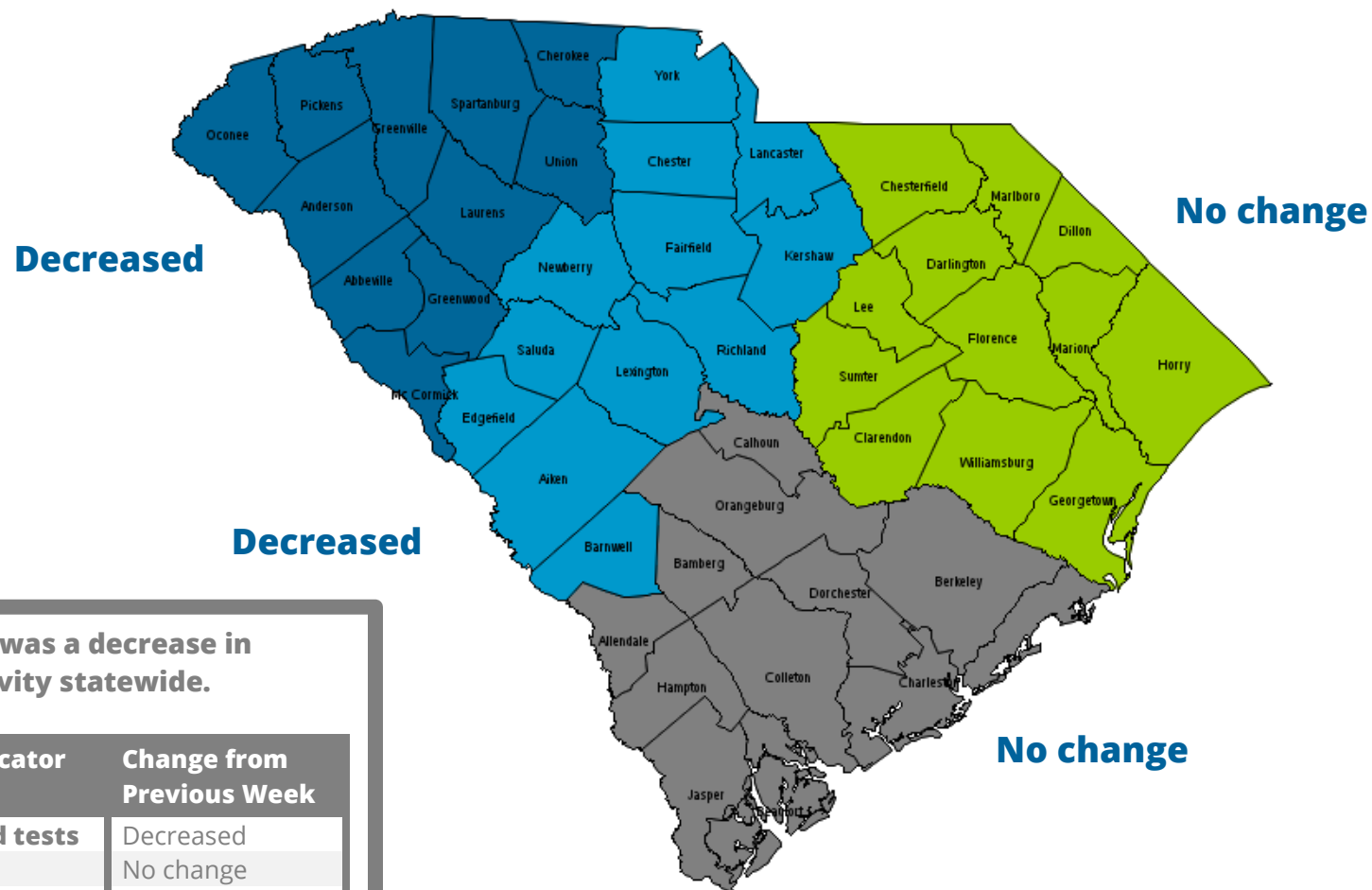
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was a decrease in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decreased
ILI Percent	No change
Hospitalizations	Decreased

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

Influenza Type	Season Totals To Date				
	No. (%)	This Week	2018-19	2017-18	2016-17
Overall		0	4736	3588	2458
Influenza A		0	4581(96.7)	2453(68.4)	1573(64)
A(H3)	--	--	606(13.2)	533(21.7)	410(26.1)
A(H1N1)	--	--	466(10.2)	212(8.6)	64(4.1)
A(NS)*	--	--	3509(76.6)	1708(69.6)	1099(69.9)
Influenza B		0	155(3.3)	1135(31.6)	885(36)
B (Victoria)	--	--	2(1.3)	2(0.2)	--
B(Yamagata)	--	--	--	55(4.8)	--
B (LND)*	--	--	153(98.7)	1078(95)	885(100)

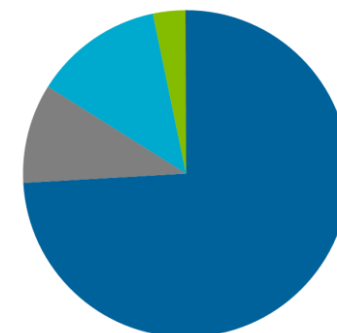
*NS – not subtyped

*LND – lineage not determined

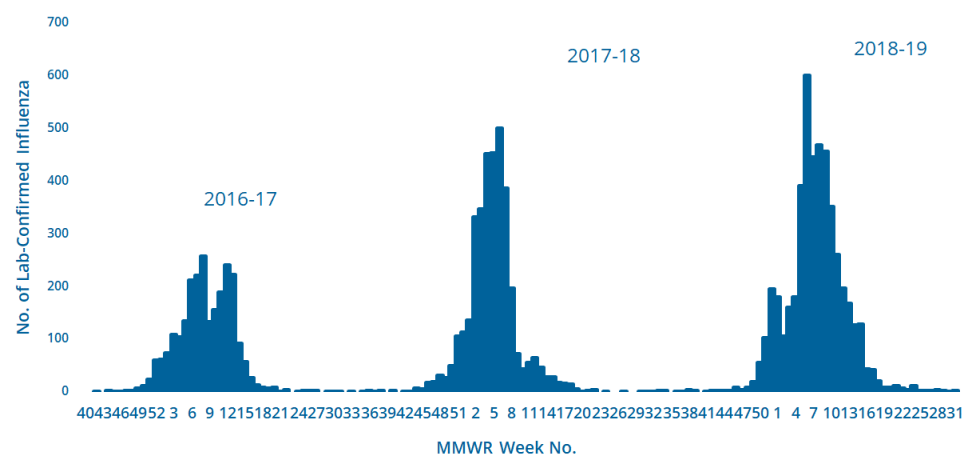
Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

Week ending 8/10

Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



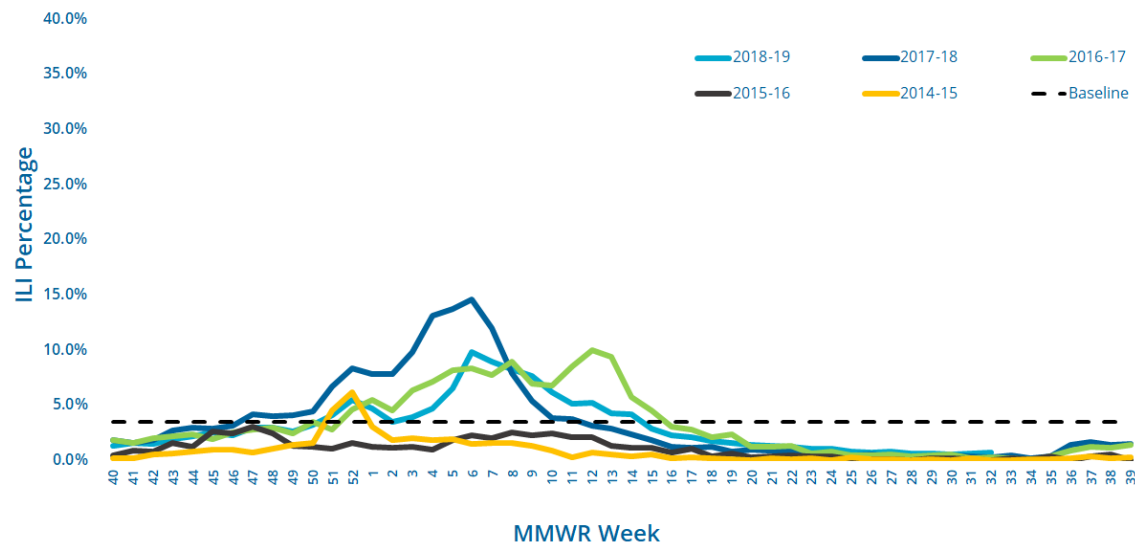
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **0.74%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

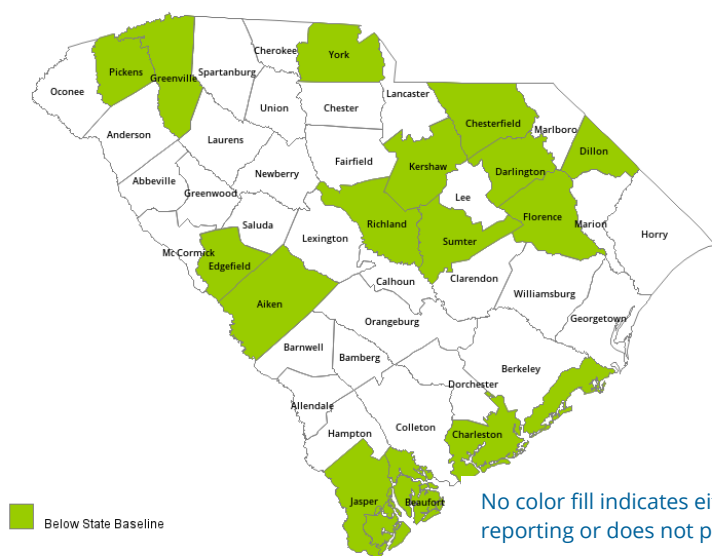
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Ages					
	Overall	0-4	5-17	18-49	50-64	65+
This Week	2(0.0)	1(0.3)	--	1(0.1)	--	--
2018-19	2751(54.7)	129(43.9)	127(15.7)	423(20.6)	676(67.7)	1396(161.5)
2017-18	4518(89.9)	159(54.1)	141(17.4)	590(28.7)	1056(105.8)	2572(297.5)
2016-17	2538(51.2)	117(40.1)	133(16.5)	342(16.8)	571(57.6)	1375(165.8)
5 season average	2739(55.7)	159(54.5)	120(14.9)	444(21.9)	643(65.6)	1372(169.3)

Deaths No. (Rate)	Ages					
	Overall	0-4	5-17	18-49	50-64	65+
This Week	--	--	--	--	--	--
2018-19	99(2.0)	2(0.7)	1(0.1)	7(0.4)	26(2.4)	62(7.3)
2017-18	291(5.8)	3(1.0)	--	27(1.3)	52(5.2)	209(24.2)
2016-17	97(2.0)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	70(8.4)
5 season average	130(2.6)	1(0.3)	1(0.1)	15(0.7)	24(2.5)	88(10.8)

Influenza-Associated Deaths by Region

